

SCAR Global change research - *Regional contributions to Global priorities*

GoS GLOCHANT - Responsible to SCAR for regional aspects of global change science -  
Links to activities of IGBP and WCRP -Promoting cross-programme linkages

GoS GLOCHANT - Supporting active programmes -

ANTIME (GLOCHANT-PAGES) - sedimentary history of evolution of Antarctic continental margin

ITASE (GLOCHANT-PAGES) - recent history of climate change from ice- and snow-records

PICE (WG Glaciology-PAGES) - deep ice core data on climatic change

ASPeCt (GLOCHANT) - sea-ice physics and climate

SO-JGOFS (SCOR-IGBP-SCAR) - ocean biogeochemistry

ISMAL (WG Glac) - developing initiative on ice-sheet mass-balance and sea-level

SO-GLOBEC (SCOR-IGBP-IOC-SCAR) - marine ecosystem response to climate change

RiSCC (WG Biol) - developing programme investigating response of terrestrial ecosystem

GoS GLOCHANT

Promoting cross-programme linkages

Links to non-SCAR programmes

Workshops on multidisciplinary problems

ITASE workshop\* on *Antarctic climate variability over last 200 years*

Annual layer dating of ice cores

Proxies for moisture flux and temperature

Evidence for atmospheric circulation patterns

Spatially extensive records of accumulation

'Ground truthing'

\*Sponsored by SCAR, IGBP-PAGES and University of New Hampshire

Mayewski, P. and Goodwin, I. (1999). Oversnow traverses aimed at understanding recent change in the climate and atmospheric chemistry over Antarctica. EOS, 80 (No 35 - August 31, 1999), 398-400.

GLOCHANT workshop\* on *Southern Ocean large-scale variability*

Patterns of variability in physical and biological systems

Potential mechanisms

Extrinsic forcing versus internal processes

Ecosystem and other impacts

\*Sponsored by SCAR, SCOR, WCRP, IOC and British Antarctic Survey

Hofmann, EE and Priddle, J (2000) Southern Ocean Variability Workshop. GLOBEC International Newsletter, 6.1.

GoS GLOCHANT supporting development of an activity on mass-balance and sea-level  
Workshop\* at XXVI SCAR  
Workshop in 2001

\* Organized by SCAR Working Groups on Glaciology and Physics and Chemistry of the  
Atmosphere

ASPeCt (Antarctic Sea-ice Processes and Climate)

Retrospective sea-ice thickness climatology

Field programme underway

Development of ice observation protocol and publication of CD-ROM

GoS GLOCHANT supporting development of activities in marine ecosystem research

Workshop\* on physical-biological interactions in sea-ice ecosystems  
planned for 2002

Workshop on overwintering strategies in Southern Ocean ecosystems  
planned

\*Led by ASPeCt and SO-GLOBEC

GoS GLOCHANT supporting development of activities in terrestrial ecosystem research

Input to the developing RiSCC programme\*

Liaison with GCTE core project of IGBP

\*Led by SCAR Working Group on Biology